INDEX TO VOLUME 9

A

Absorption, A Correspondence Principle for (J. H. Van Vleck), 27.
Absorption of Ice in the Infrared (E.K. Plyler), 545.
Acoustic Wave Filters (G. W. Stewart), 583.
ADAMS, LEASON H.: Thermostats for very High Temperatures, 599.
ALLEN, FRANK: The Reflex Origin of Color Contrast, 375.
Apparatus for Making Spiral Heaters, Filaments and Springs (Richard Hamer), 623.
ARNAUD, J. J. and I. C. GARDNER: Image Curvature as a Function of Diaphragm Position, 675.
Autocollimator, A New (F. E. Wright), 187.
Atomic Force Fields, (F. S. Brackett), 237.

B

BARNES, JAMES: Gratings for Showing Fraunhofer Diffraction Phenomena, 77.
Battery Substitute, A High Potential (E. L. Harrington), 185.
BAZZONI, C. B.: A Flexure Microbalance, 685.
BAZZONI, C. B.: Attachment for Water Cooling Tubular Rheostats, 691.
Bibliography for Measuring Instruments (F. J. Schlink), 309.
BLACKWOOD, OSWALD, ELMER V. HJORT and ALEXANDER LOWY: The Selenium Optical Densimeter, 43.
BOZORTH, RICHARD M.: An Explanation of Peculiar Reflections Observed on X-Ray Powder Photographs, 123.
BRACKETT, F. S.: Atomic Force Fields, 237.
Braun Tube (L. T. Jones and H. G. Tasker), 471.
BREIT, G.: A Method of Producing Short Wave Length Oscillations in Electron Tubes, 709.

C

CALVERT, S., R. T. DUFFORD and DOROTHY NIGHTINGALE: Spectra of Luminescence of Grignard Compounds, 405.
CARMAN, A. P.: A Motor Driven Double Commutator, 175.
CARMAN, A. P. and R. F. PATON: A Laboratory Experiment for Testing the Efficiency of a Screw Jack, 75.
Cathodo Phosphorescence of Fluorite (Frances G. Wick and Josephine M. Gleason), 639.
CHAFFEE, E. L. and ALICE HAMPSON: Effects of Varying the Wave Length of the Stimulating Light upon the Electrical Response of the Retina, 1.
CHENAULT, R. L., PAUL D. FOOTE, and W. F. MEGGERS: Visible Radiation from Solid Targets, 541.
CIOFFI, P. P.: Magnetic Measurements on Materials of High Initial Permeability, 53.
CIOFFI, P. P. and L. W. MCKEEHAN: Demagnetization and Hysteresis Loops, 479.
CLARK, HARRY: An Improved Form of Gold Leaf Electrometer, 179.
Cold, The Production of (C. W. Kanolt), 411.
Color Blindness, Visual Sensory Reflexes and (A. Hollenberg), 389.
Color Contrast, The Reflex Origin of (Frank Allen), 375.
Color Mixture Transformation Diagrams (Clara Lillian Froelich), 31.
Colorimetric Purity, the Computation of, (Irwin G. Priest, L. B. Tuckerman, Herbert E. Ives and F. K. Harris), 503.
Commutator, A Motor Driven Double (A. P. Carman), 175.
Complementarism by Rotary Mixing (Deane B. Judd), 95.
Condenser, A Variable Mica (Herbert Grove Dorsey), 353.
COOLIDGE, W. D.: Oil Immersed X-Ray Generating Outfits and Their Uses, 653.
Correspondence Principle for Absorption (J. H. Van Vleck), 27.
COX, R. T.: A Study of Pfund's Pressure Gage, 569.
Curvature Gauge (Chester K. Wentworth), 341.

D

Demagnetization and Hysteresis Loops (L. W. McKeehan and P. P. Cioffi), 479.
Densimeter, The Selenium Optical (Elmer V. Hjort, Alexander Lowy and Oswald Blackwood), 43.
Diffraction at a Narrow Slit (Robert L. Turner), 649.
Displacement Law of Arc and Spark Spectra (W. F. Meggers, C. C. Kiess and F. M. Walters, Jr.), 355.
Distillation Apparatus (Frederick Kraissl), 81.
DORSEY, HERBERT GROVE: A Variable Mica Condenser, 353.
DORSEY, HERBERT GROVE: A Visual Method of Measuring Short Time Intervals, 351.
DUFFENDACK, O. S. and FRANK SCHAEFER: A Multiple Range McLeod Gauge, 689.

DUFFORD, R. T.; DOROTHY NIGHTINGALE, and S. CALVERT: Spectra of Luminescence of Grignard Compounds, 405.

E

Editorial, 410.
Electrometer, An Improved Form of Gold Leaf (Harry Clark), 179.
ELLIOT, F. A. and S. E. SHEPPARD: An Instrument for Measuring the Swelling of Gelatin on Rigid Supports, 181.
EPPLEY, MARION and WARREN C. VOSBURGH Portable Unsaturated Weston Cells, 65.

F

Fabry and Perot Etalon, Measurements with a (John K. Robertson), 611.
FOOTE, PAUL D., W. F. MEGGERS and R. L. CHENAULT: Visible Radiation From Solid Targets, 541.
FROELICH, CLARA LILLIAN: Algebraic Methods for the Calculation of Color Mixture Transformation Diagrams, 31.
Furnace, The Granular Resistor (O. P. Watts), 705.

G

Galvanometer, The Einthoven String (Horatio B. Williams), 129.
GARDNER, I. C. and J. J. ARNAUD: Image Curvature as a Function of Diaphragm Position, 675.
Gelatin, An Instrument for Measuring the Swelling of (S. E. Sheppard and F. A. Elliott), 181.
GIBSON, K. S.: Spectral Characteristics of Test Solutions Used in Heterochromatic Photometry, 113.
GIBSON, K. S. and E. P. T. TYNDALL: Visibility of Radiant Energy Equation, 403.
Glarimeter, A Portable (G. A. Shook), 61.
GLEASON, JOSEPHINE M. and FRANCES G. WICK: The Effect of Heat Treatment upon the Cathodo-Phosphorescence of Fluorite, 639.
GORCZYNSKI, LADISLAUS: On a Simple Method of Recording the Total and Partial Intensities of Solar Radiation, 455.
Gratings for Showing FraunhoferDiffraction Phenomena (James Barnes), 77.

H

HAMER, RICHARD: A Convenient Apparatus for Making Spiral Heaters, Filaments and Springs, 623.
HAMER, RICHARD: Photoelectric Thresholds of Elements under Ordinary Conditions, 251.
HAMPSON, ALICE and E. L. CHAFFEE: Effects of Varying the Wave Length of the Stimulating Light upon the Electrical Response of the Retina, 1.
HARRINGTON, E. L.: A High Potential Battery Substitute, 185.
HARRINGTON, E. L.: An Improvement for McLeod Gages, 469.
HARRIS, F. K., IRWIN G. PRIEST, L. B. TUCKERMAN and HERBERT E. IVES: The Computation of Colorimetric Purity, 503.
Heat Transfer by Convection (T. S. Taylor), 693.
HECHT, SELIG: The Visibility of the Spectrum, 211.
HELMICK, P. S.: The Average Quantity of Ultraviolet Light Energy Required to Render Developable a Grain of Photographic Silver Bromide, 521.
HJORT, ELMER V., ALEXANDER LOWY and OSWALD BLACKWOOD: The Selenium Optical Densimeter, 43.
HOLLENBERG, A.: Visual Sensory Reflexes and Color Blindness, 389.
HUDSON, J. C.: Precision X-Ray Spectrometers, 259.
Hysteresis Loops and Demagnetization (L. W. McKeehan and P. P. Cioffi) 479.

I

Illuminometer, A New Form of Portable (Davis H. Tuck), 303.
Image Curvature as a Function of Diaphragm Position (I. C. Gardner and J. J. Arnaud), 675.
Infrared Spectra of Nitrogen and Hydrogen (A. H. Pfund), 193.
INGERSOLL, L. R.: Methods of Measuring Thermal Conductivity in Solids and Liquids, 495.
IVES, HERBERT E.: Note on the Least Mechanical Equivalent of Light, 635.
IVES, HERBERT E., F. K. HARRIS, IRWIN G. PRIEST and L. B. TUCKERMAN: The Computation of Colorimetric Purity, 503.

J

JOLLIFFE, C. B.: The Use of the Electron Tube Peak Voltmeter for the Measurement of Modulation, 701.
JONES, L. T. and H. G. TASKER: A Thermionic Braun Tube with Electrostatic Focusing, 471.
JUDD, DEANE B.: The Spectral Energy Distributions Produced by Rotary Mixing of Complementary Papers, 95.

K

KANOLT, C. W.: The Production of Cold, 411
KARAPETOFF, VLADIMIR: Aberration of Light in Terms of the Theory of Relativity as Illustrated on a Cone and a Pyramid, 223.

KARRER, ENOCH and A. PORITSKY: Some Electrical and Optical Properties of Neon Glow Lamps, 323.
KIESS, C. C., F. M. WALTERS, JR. and W. F. MEGGERS: The Displacement Law of Arc and Spark Spectra, 355.
KIRKPATRICK, PAUL: A Method for Mapping Magnetic Vector Fields, 617.
KLOPSTEG, PAUL E.: The Technical Laboratory of the Apparatus House. Its Functions and Organization, 83.
KLOPSTEG, PAUL E. and W. H. STANNARD: A Photographic Recorder for Temperature and Other Physical Quantities, 587.
KRAISSL, FREDERICK: A Compact Distillation Apparatus, 81.

L

Laboratory of the Apparatus House (Paul E. Klopsteg), 83.
Lamp with Quartz Window (Donald C. Stockbarger), 337.
Liquid Air, A Substitute for (Franklin E. Poindexter), 629.
LOWY, ALEXANDER, OSWALD BLACKWOOD and ELMER V. HJORT: The Selenium Optical Densimeter, 43.
Luminescence Spectra (R. T. Dufford, Dorothy Nightingale, and S. Calvert), 405.

M

Magnetic Measurements on Materials of High Initial Permeability (P. P. Cioffi), 53.
Magnetometer, A Sensitive (E. P. T. Tyndall), 465.
Mapping Magnetic Vector Fields, A Method for (Paul Kirkpatrick), 617.
MCKEEHAN, L. W. and P. P. CIOFFI: Demagnetization and Hysteresis Loops, 479.
McLeod Gages, An Improvement for (E. L. Harrington), 469.
McLeod Gauge, A Multiple Range (O. S. Duffendack and Frank Schaefer), 689.
Mechanical Equivalent of Light (Herbert E. Ives), 635.
MEGGERS, W. F., C. C. KIESS and F. M. WALTERS, JR.: The Displacement Law of Arc and Spark Spectra, 355.
MEGGERS, W. F., R. L. CHENAULT and PAUL D. FOOTE: Visible Radiation from Solid Targets, 541.
MICHELSON, A. A.: On the Effect of Small Particles in the Vitreous Humor, 197.
Microbalance, A Flexure (C. B. Bazzoni), 685.
Modulation, Measurement of (C. B. Jolliffe), 701.
Multiplier, An Electrostatic Voltage (Alfred W. Simon), 345.

N

Neon Glow Lamps, Some Electrical and Optical Properties of (Enoch Karrer and A. Poritsky), 323.
NEWKIRK, B. L.: An Optical Method for the Study of Shaft Behavior, 605.
NIGHTINGALE, DOROTHY, S. CALVERT and R. T. DUFFORD: Spectra of Luminescence of Grignard Compounds, 405.
Notes, See special index page 727.
Notices, 91.

O

Oscillations, A Method of Producing Short Wave Length (G. Breit), 709.

P

PATON, R. F. and A. P. CARMAN: A Laboratory Experiment for Testing the Efficiency of a Screw Jack, 75.
PFUND, A. H.: The Emission of Nitrogen and Hydrogen in the Infrared, 193.
Photoelectric Thresholds (Richard Hamer), 251.
Photographic Recorder for Temperature and Other Physical Quantities (W. H. Stannard and Paul E. Klopsteg), 587.
Photo-Image, Ultraviolet energy for (P. S. Helmick), 521.
Photometry, Spectral Characteristics of Test Solutions Used in Heterochromatic (K. S. Gibson), 113.
PLYLER, E. K.: The Infrared Absorption of Ice, 545.
POINDEXTER, FRANKLIN E.: A Substitute for Liquid Air in Low Pressure Work, 629,
PORITSKY, A. and ENOCH KARRER: Some Electrical and Optical Properties of Neon Glow Lamps, 323.
Pressure Gage, A study of Pfund's (R. T. Cox), 569.
PRIEST, IRWIN G., L. B. TUCKERMAN. HERBERT E. IVES, and F. K. HARRIS: The Computation of Colorimetric Purity, 503.

R

Radiation from Solid Targets (Paul D. Foote, W. F. Meggers and R. L. Chenault), 541.
Recorder for Temperature, etc. (W. H. Stannard and Paul E. Klopsteg), 587.
Relativity, Aberration of Light in Terms of the Theory of (Vladimir Karapetoff), 223.
Report of Secretary, 91.
Retinal Response (E. L. Chaffee and Alice Hampson), 1.
Reviews:
ADAMS, E. P.: The Quantum Theory, 401.
EWALD, P. P.: Kristalle und Rontgenstrahlen, 626.
HAAS, ARTHUR: The New Physics, 128.
JEANS, J. H.: Report on Radiation and the Quantum Theory, 258.
KAYE, G. W. C.: X-Rays, 344.
LUCKIESH, M.: Light and Work, 586.

PLACKETT, J. S.: The Wedge Method and Its Application to Astronomical Spectrophotometry, 80.
RICE, J.: Relativity—A Systematic Treatment of Einstein's Theory, 322.
SIEGBAHN, MANNE: Spektroskopie der Rontgenstrahlen, 684.
VINAL, GEORGE WOOD: Storage Batteries, 603.
WORSNOP, B. L. and H. T. FLINT: Advanced Practical Physics for Students, 52.
Rheostats, Attachment for Water Cooling Tubular (C. B. Bazzoni), 691.
ROBERTSON, John K.: Measurements with a Fabry and Perot Etalon, 611.

S

SACIA, C. F.: Photomechanical Wave Analyser Applied to Inharmonic Analysis, 487.
SCHAEFER, FRANK and O. S. DUFFENDACK: A Multiple Range McLeod Gauge, 689.
SCHLINK, F. J.: Bibliography for Measuring Instruments with Special Reference to Instruments and Methods of Metrology used in Mechanical Engineering, 309.
Screw Jack, Efficiency of a (A. P. Carman and R. F. Paton), 75.
Shaft Behavior, An Optical Method for the Study of (B. L. Newkirk), 605.
SHEPPARD, S. E. and F. A. ELLIOTT: An Instrument for Measuring the Swelling of Gelatin on Rigid Supports, 181.
SHOOK, G. A.: A Portable Glarimeter, 61.
SIEG, L. P.: The Intrinsic Intensity and Polarization of Light After Passage Through Deep Slits, 201.
SIMON, ALFRED W.: An Electrostatic Voltage Multiplier, 345.
Slits, Passage of Light Through Deep (L. P. Sieg), 201.
Solar Radiation, Method of Recording the Total and Partial Intensities of (Ladislaus Gorczynski), 455.
Spectra, The Displacement Law of Arc and Spark (W. F. Meggers, C. C. Kiess and F. M. Walters, Jr.), 355.
Spectra of Luminescence of Grignard Compounds (R. T. Dufford, Dorothy Nightingale and S. Calvert), 405.
STANNARD, W. H. and PAUL E. KLOPSTEG: A Photographic Recorder for Temperature and Other Physical Quantities, 587.
STEWART, G. W.: Acoustic Wave Filters in Series, 583.
STOCKBARGER, DONALD C.: An Incandescent Lamp with a Quartz Window, 337.
String-Galvanometer Oscillograph with Automatic Photography (Augustus Trowbridge), 457.
String Galvanometer (Horatio B. Williams), 129.

T

TASKER, H. G. and L. T. JONES: A Thermionic Braun Tube with Electrostatic Focusing, 471.
TAYLOR, T. S.: Heat Transfer by Convection, 693.
TERRILL, H. M.: A Quick Reading X-Ray Spectrometer, 189.
Thermal Conductivity in Solids and Liquids, Methods of Measuring (L. R. Ingersoll), 495.
Thermionic Braun Tube with Electrostatic Focusing (L. T. Jones and H. G. Tasker), 471.
Thermostats for Very High Temperatures (Leason H. Adams), 599.
Time Intervals, A Visual Method of Measuring Short (Herbert Grove Dorsey), 351.
TROWBRIDGE, AUGUSTUS: String-Galvanometer Oscillograph with Automatic Photography, 557.
TUCK, DAVIS H.: A New Form of Portable Illuminometer, 303.
TUCKERMAN, L. B., HERBERT E. IVES, F. K. HARRIS and IRWIN G. Priest: The Computation of Colorimetric Purity, 503.
TURNER, ROBERT L.: Diffraction at a Narrow Slit, 649.
TYNDALL, E. P. T.: A Sensitive Magnetometer, Insensitive to Extraneous Disturbances, 465.
TYNDALL, E. P. T. and K. S. Gibson; Visibility of Radiant Energy Equation, 403.

V

VAN VLECK, J. H.: A Correspondence Principle for Absorption, 27.
Visibility of Radiant Energy Equation (E. P. T. Tyndall and K. S. Gibson), 403.
Visibility of the Spectrum (Selig Hecht), 211.
Visual Sensory Reflexes and Color Blindness (A. Hollenberg), 389.
Vitreous Humor, On the Effect of Small Particles in the (A. A. Michelson), 197.
Voltage Multiplier, An Electrostatic (Alfred W. Simon), 345.
VOSBURGH, WARREN C. and MARION EPPLEY Portable Unsaturated Weston Cells, 65.

W

WALTERS, JR., F. M., W. F. MEGGERS and C. C. KIESS: The Displacement Law of Arc and Spark Spectra, 355.
WATTS, O. P.: The Granular Resistor Furnace, 705.
Wave Analyser, A Photomechanical (C. F. Sacia), 487.
WENTWORTH, CHESTER K.: A Curvature Gauge, 341.
Weston Cells, Portable Unsaturated (Warren C. Vosburgh and Marion Eppley), 65.

WICK, FRANCES G. and JOSEPHINE M. GLEASON: The Effect of Heat Treatment upon the Cathodo-Phosphorescence of Fluorite, 639.

WILLIAMS, HORATIO B.: The Einthoven String Galvanometer, A Theoretical and Experimental Study, 129.

WRIGHT, F. E.: A New Autocollimator, 187.

X

X-Ray Generating Outfits (W. D. Coolidge), 653.

X-Ray Powder Photographs, An Explanation of Peculiar Reflections Observed on (Richard M. Bozorth), 123.

X-Ray Spectrometer (H. M. Terrill), 189.

X-Ray Spectrometers, Precision (J. C. Hudson), 259.

INDEX TO NOTES

A

AMERICAN ENGINEERING STANDARDS COMMITTEE: Year Book, 622.

ATHANASIU, G.: Emf Produced by Illuminating a Metal Electrode, 192.

AUGER, P.: Ejection of Photoelectrons, 468

B

BADAREU, E.: Impacts of Positive Ions Against Platinum, 616.

BAR, R., M. v. LAUE and E. MEYER: Low Voltage Arc in Helium, 336.

BARNES, B. T.: Temperature Ionization of Caesium, 453.

BARTON, V. P.: Electrical Effects of Light upon Selenium and Cuprous Oxide, 501.

BAZZONI, C. B. and J. T. LAY: Intensity of Helium Lines, 308.

BEGHARDT, MARTIN and ERICH GUNTHER: Equipotential Surfaces in Electromagnetic Fields, 343.

BELL, H.: Infrared Absorption Bands of HCl, HBr and HF, 501.

BINGEL, J.: Internal Photoelectric Effect of Rocksalt, 250.

BIOT, M. A.: Astronomical Objectives, 540.

BIOT, M. A.: Triple Sphere Spherometer, 520.

BLOCH, L., E. BLOCH and G. DEJARDIN: Spectra of Ionized A, Kr and Xe, 350.

BLOCH, L. and E. BLOCH: Spark Spectra of Pb, Bi, Sb and Tl, 122.

BOISSIER, HENRI: Birefringence of Optical Glasses, 209.

DE BROGLIE, M.: Change of Wave Length of Scattered X-Rays, 454.

C

CARCELLI, A. and P. PRINGSHEIM: Polarized Fluorescence and Phosphorescence, 111.

COMPTON, K. T. and C. H. ECKART: Low Voltage Arcs, 708.

COMPTON, K. T. and L. A. TURNER: Band Spectrum of Mercury, 638.

COTTON, M. A.: Silvering of Glass, 339.

CURIE, M.: Photoelectric Effect of Phosphorescent Materials, 610.

D

DAUVILLIER, A.: Electrons in the L-Levels of Gold, 122.

DORGELO, H. B.: Intensities of Multiplets, 374.

DUFFENDACK, O. S. and K. T. COMPTON: Dissociation of Hydrogen and Nitrogen, 684.

Duffieux, M.: Masses of Particles Emitting Nitrogen Bands, 26.

DUMPELMANN, R. and W. HEIN: Photoelectric Effect, 652.

E

ECKART, C. and K. T. COMPTON: Low Voltage Arcs in Helium, 336.

EGGERT, J. and W. NODDACK: Liberation of Silver from Silver Bromide, 321.

EINSTEIN, A. and P. EHRENFEST: Equilibrium between Radiation and Free Electrons, 112.

ELDRIDGE, J. A.: Appearance of Mercury Arc Lines at Low Potentials, 543.

ELLIS, J. W.: Infrared Absorption Spectra of Organic Liquids, 250.

ESTERMANN, J. and O. STERN: Thin Films of Silver on Glass and Quartz, 210.

F

FOWLER, A.: Spectrum of C^+, 494.

FROHNER, S.: Units in Photometric Measurements, 674.

G

GANESAN, A. S.: Scattering of Light, 184.

GERLACH, W. and F. GROMANN: Band Spectrum of Iodine, 349.

GREINACHER, H.: Point-Discharge for detecting Charged Particles and Quanta, 688.

GUDDEN, E.: Stokes' Law and Lenard's Phosphors, 42.
GUNTHER-SCHULZE, A.: Cathode Fall, 648.
GUNTHER-SCHULZE, A.: Energy Relations of Cathode Glow Discharge, 722.
GUNTHER-SCHULZE, A.: Glow-discharge, 25.
GUNTHER-SCHULZE, A.: Glow Discharge in Magnetic Field, 708.
GYULAI, Z.: Singing Tube, 692.

H

HERTZ, G.: Stages in Excitation of He, Ne, Hg, Zn, Tl Spectra, 470.
HORTON, F. and A. C. DAVIES: Continuous Spectrum of Hydrogen, 502.

J

JANITSKY, A.: Ionization of Salts by X-Rays, 236.
JAUNCEY, G. E. M. and H. L. MAY: Intensity of X-Rays Scattered from Rocksalt, 354.

K

KETTMAN, G.: Intensity of X-Ray Lines, 93.
KIRCHNER, F.: Theoretical Speculations on the Photoelectric Effect, 616.
KIRSCH, G. and H. PETTERSSON: Disintegration of Light Elements, 350.
KONRATJEFF, V. and N. SEMENOFF: Ionization of $HgCl_2$ and HgI_2, 478.
KULENKAMPFF, H.: Change in Wave Length in X-Rays on Reflection, 336.
KUTZNER, W.: Point Discharge as a Detector of Alpha Particles, 674.

L

LASAREFF, M. P.: Weber-Fechner Law and Photometry, 486.
LENOUVEL, M. L.: Aberrations of Optical Systems, 544.

M

MEITNER, L.: Continuous Beta-ray Spectrum, 112.
MIETHE, HABER, SODDY, FOOTE: Gold from Mercury, 556.
MILLIKAN, R. A. and I. S. BOWEN: Ultraviolet Spectra of Light Elements, 186.
MINKOWSKI, R. E. and H. SPONER: Free Paths of Electrons in Gases, 63.
MULLIKEN, R. S.: Isotopic Band Spectra, 409.
MYSSOWSKY, L.: Energy of Alpha Particles, 60.

O

OLMSTEAD, P. S. and K. T. COMPTON: Radiation Potentials of Atomic Hydrogen, 64.

P

PIERSOL, R. J.: Energy of Photoelectrons, 454.
PROCOPIU, S.: Electro- and Magneto- Optical Double Refraction, 598.

R

RICHTMYER, F. K. and F. W. WARBURTON: X-Ray Absorption Coefficients, 73.
ROLLEFSON, G. K.: Spectral Series in the X-Ray Spectrum of Iron, 94.
RUPP, E.: Conductivity of Lenard Phosphors, 30.
RUPP, E.: State of Atoms Emitting Line Spectra, 82.

S

SAHA, M. N.: Temperature Ionization of Caesium, 453.
SCHOFIELD, F. H. and D. C. GARE: Direct Reading Optical Pyrometer, 494.
SEITZ, W. Electron Emission from Thin Films Irradiated by X-Rays, 222.
SEMENOFF, N. and ANTON WALTHER: Probe Wire Measurements, 404.
SIMEON, F.: Minimum Maintaining Potential for Vacuum Arcs, 79.
SIMONS, L.: Photoelectric Emission from Films, 604.
SKINNER, C. A.: Polarimeters, 122.
SMYTH, H. D.: Ions Produced in Hydrogen, 690.
SOCIETY OF COMMERCIAL OPTICS: Reflecting Altimeter, 257.
STRUM, L.: Intensity of Spectrum Lines, 93.

U

UDDEN, A. and J. C. JACOBSEN: Intensity of Helium Lines, 308.
UNNEWEHR, E. C.: Energy of K-radiations, 74.

W

WALTER, B.: Emission and Reflection of X-Rays, 178.
WALTHER and INGE: Electrostatic Fields of Grids and Diaphragms, 502.
WAWILOW, S. J.: Energy Absorption and Fluorescence of Dye-solutions, 403.
WERNER, PAUL: Heat of Vaporization of Water, 302.
WOOD, A. B. and J. M. FORD: Phonic Chronometer, 485.